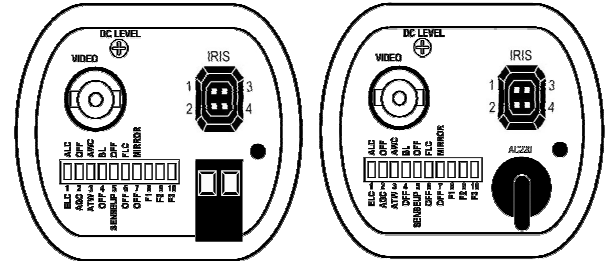


1/3" Super HAD CCD High sensitivity, High resolution
DSP color camera

CPT-HD58

SPECIFICATION

Image sensor & Chipset	Color 1/3" Super HAD CCD
Scanning system	2:1 Interlace scanning
Scanning frequency	NTSC: Hor.15,734Hz x Ver.59.94Hz,60Hz Line lock PAL: Hor. 15,625Hz x Ver. 50Hz, 50Hz Line lock
Picture elements	NTSC: 811(H) x 508(V), 525 lines 60Hz PAL: 795(H) x 596(V), 625 lines 50Hz
Resolution	Color 520TVL · B/W 550TVL
Sensitivity (AGC on)	0.001 Lux at F1.2, 0 Lux under IR illumination
S/N Ratio	>65dB (AGC off, AESC off, Y sig.)
Auto Electronic shutter	1/50(60) ~ 1/100,000 second
Flicker less	START: 1/100 sec, OFF: low 1/50 (1/60)
Back Light Compensation	256 detection area + enhanced center compenstr.
Auto Gain Control (AGC)	Up to 65 dB = ALC + Sample 32dB + DSP 28dB
White Balance adaptation	Auto Tracking White Balance: 1800°K~18000°K Auto White Control to lock color temperature
Picture aperture	Hor. 2H, Ver. 2V Enhancement
Synchronization	Internal.
Video Output	1.0 Vp-p, 75ohm BNC, Optional: Y/C output
Gamma	Fixed 0.45
Visible spectrum	240nm ~ 1,200nm
D.S.P. memory format	16 Bit 256 word
D.S.P. converter ratio	10 Bit (A/D), 10Bit (D/A)
D.S.P. storage device	EEPROM
Lens mounting	C or CS mounting,
Iris compatibility	DC iris , Positioning: AV~PX adjustable
Power voltage	DC 12V or DC12V ~ AC 24V or AC 85V~AC 265V
Power consumption	2W, <160mA
Camera mount	1/4" 20unc, Top or bottom mounting
Casing structure	Aluminum alloy, Ivory color
Dimension & weight	62(W) x 62(W) x 130(L) mm, 335 g.
Ambient Temperature	Operating: -15°C~ +70°C, Storage: -30°C ~ +80°C
Ambient Humidity	0 to 95% relative, non-condensing.



Features & Characteristic:

- * Super High resolution of 520TVL
- * Optional Privacy masking up to 8 zones
- * Support mirror function
- * Support external synchronization i.e. LL/VS/VBS/VRHR
- * Semi automatic pre-AWB
- * Enhanced suppressed color rolling
- * Shutter + AGC Flickerless
- * 10 bit internal ADC
- * Analog output of Composite + (Optional YC)
- * Compatible to C or CS, DC iris Lens.

Model # description

NTSC system:	PAL system:	
CPT-HD58	CPT-HD58P	= DC12
CPT-HD58 /AC	CPT-HD58P /AC	= AC85 ~ AC265V
CPT-HD58 /DN	CPT-HD58P /DN	= Auto B/W switching under low lux
CPT-HD58 /IR	CPT-HD58P /IR	= with IR pass crystal
CPT-HD58 /A	CPT-HD58P /A	= with Audio microphone
CPT-HD58 /M	CPT-HD58P /M	= For microscope

NEW IMAGE PROCESSOR CHIPSET WITH THE FOLLOWING NEW FUNCTIONS:

1. **High resolution mode** by improving color resolution up to 550TVL
2. **Minimized color rolling** by allowing frame to be set, in addition with high precision, high speed operation control.
3. **Automatic control of system-related parameters** which have different settings depending on particular clock system
4. **Internal burst separator.** Extracts burst from an incoming VBS, & outputs a phase comparison signal for burst PLL
5. **Outgain function.** Simultaneously increases gain in chroma & brightness using a single parameter (a single switch)